

We claim:

1. A sealed, multi-handled bag for packaging loose materials comprising:
 - a non-resealable sealed body having a first end and a substantially opposite second end, the body including a pair of opposing panels defining a storage cavity therebetween, the opposing panels being attached to each other at the first end and the second end, the opposing panels attached to each other at the first end to form a first seam;
 - a first flap formed from portions of the opposing panels extending beyond the first seam at the first end;
 - a first handle formed in the first flap; and
 - a second handle attached to the second end.
2. The sealed, multi-handled bag of claim 1, wherein the pair of opposing panels includes a first portion of a tube wall substantially opposing a second portion of the tube wall.
3. The sealed, multi-handled bag of claim 1, wherein the first flap includes a stack of panels formed from the portions of the opposing panels extending beyond the seam, and the first handle is formed by one of a cut and a series of perforations formed through the stack.
4. The sealed, multi-handled bag of claim 3, wherein the first handle further comprises a patch attached to the stack of panels and the one of a cut and a series of perforations extends through the patch.

5. The sealed, multi-handled bag of claim 3, wherein the stack of panels includes a double stack of panels formed from the portions of the opposing panels extending beyond the seam being folded over and attached to themselves.

6. The sealed, multi-handled bag of claim 1, wherein the second handle includes a rigid handle attached to the second end.

7. The sealed, multi-handled bag of claim 6, wherein the rigid handle includes an injection-molded plastic handle.

8. The sealed, multi-handled bag of claim 1, further comprising loose materials stored within the storage cavity.

9. The sealed, multi-handled bag of claim 8, wherein the loose materials include salt.

10. The sealed, multi-handled bag of claim 9, wherein the loose materials are selected from the group consisting of fertilizer, cement, granular chemicals, pet food, and landscaping materials.

11. The sealed, multi-handled bag of claim 1, wherein the opposing panels are attached to each other at the second end to form a second seam, the sealed, multi-handled bag further comprising a second flap formed from portions of the opposing panels extending beyond the second seam at the second end.

12. The sealed, multi-handled bag of claim 11, wherein the second handle is formed in the second flap.

13. The sealed, multi-handled bag of claim 1, wherein the opposing panels include one or more layers of plastic material.

14. The sealed, multi-handled bag of claim 13, wherein the plastic material includes a polyolefin material.

15. The sealed, multi-handled bag of claim 1, further comprising a first tear seam at the first end.

16. The sealed, multi-handled bag of claim 15, further comprising a second tear seam at the second end.

17. The sealed, multi-handled bag of claim 1, further comprising a plurality of tear seams.

18. A sealed, multi-handled loose-materials bag comprising:
a sealed body having a first end and a substantially opposite second end, the body including a first plastic sheet spaced apart from a second plastic sheet to form a storage cavity, the plastic sheets being sealed to each other at the first and second ends, the sealed body being non-resealable;

loose materials stored within the storage cavity;
a first handle attached to the first end; and
a second handle attached to the second end.

19. The sealed, multi-handled loose-materials bag of claim 18, wherein the first handle includes:

a sheet having one or more layers; and
one of a cut and a series of perforations formed through the sheet to form a grip.

20. The sealed, multi-handled loose-materials bag of claim 19, wherein the first handle further comprises a patch attached to the double thick sheet and the one of a cut and a series of perforations extends through the patch.

21. The sealed, multi-handled loose-materials bag of claim 19, wherein the sheet is folded over and attached to itself to form a double thick sheet, and the one of a cut and a series of perforations are formed through the double thick sheet to form the grip.

22. The sealed, multi-handled loose-materials bag of claim 18, wherein the first handle includes a rigid handle.

23. The sealed, multi-handled loose-materials bag of claim 22, wherein the rigid handle includes an injection-molded plastic handle.

24. The sealed, multi-handled loose-materials bag of claim 18, wherein the loose materials include salt.

25. The sealed, multi-handled loose-materials bag of claim 18, wherein the loose materials are selected from the group consisting of fertilizer, cement, granular chemicals, pet food, and landscaping materials.

26. The sealed, multi-handled loose-materials bag of claim 18, wherein the first and second handles are formed from the first and second sheets.

27. The sealed, multi-handled loose-materials bag of claim 18, wherein the first and second sheets include one or more layers of plastic material.

28. The sealed, multi-handled loose-materials bag of claim 27, wherein the plastic material includes a polyolefin material.

29. The sealed, multi-handled loose-materials bag of claim 18, further comprising a first tear seam at the first end.

30. The sealed, multi-handled loose-materials bag of claim 29, further comprising a second tear seam at the second end.

31. The sealed, multi-handled loose-materials bag of claim 18, wherein the sealed body includes a tube having closed ends.

32. A sealed, multi-handled salt bag comprising:
a plastic tube having opposing portions of the tube heat-sealed to each other to form a first seal at a first end and a second seal at a second end substantially opposite to the first end to form a non-resealable sealed bag;
salt contained within a cavity of the sealed bag;

a first flap formed from portions of the opposing tube portions extending beyond the first seal;
a first handle formed in the first flap;
a second flap formed from portions of the opposing tube portions extending beyond the second seal; and
a second handle formed in the second flap.

33. A method for filling and sealing a multi-handled bag, the method comprising:
forming an open bag having a sealed end, an opposite open end, and a handle attached to the sealed end;
filling the bag with loose materials through the open end; and
forming a handle flap in the open end while sealing the open end.

34. The method of claim 33, further comprising forming one of a cut and a series of perforations through the handle flap to form a grip.

35. The method of claim 33, wherein the step of forming a handle flap includes sealing opposing sheets of bag material together to form a first seal, the first seal defining an inner side of the handle flap proximate to a storage cavity of the bag.

36. The method of claim 35, wherein the step of sealing opposing sheets of bag material together to form a first seal includes sealing the opposing sheets of bag material together at two locations, wherein the first seal includes a double seal.

37. The method of claim 35, wherein the step of forming a handle flap further includes sealing the opposing sheets of bag material together to form a second seal, the second seal defining a distal side of the handle flap.

38. The method of claim 37, wherein the step of sealing the opposing sheets to form the first seal and the step of sealing the opposing sheets to form the second seal occur substantially simultaneously.

39. The method of claim 33, wherein the step of forming a handle flap includes folding-over sheet material at the open end to form a double-thick handle flap in the open end.

40. A method for filling and sealing a multi-handled bag, the method comprising:
sealing opposing sheets of bag material together to form a handle flap at a first end;
forming one of a cut and a series of perforations through the handle flap to form a grip;
filling the bag with loose materials through an open second end;
sealing the second end; and
attaching a rigid handle to the second end.

41. The method of claim 40, further comprising the step of folding-over sheet material at the first end to form a double-thick handle flap in the first end.